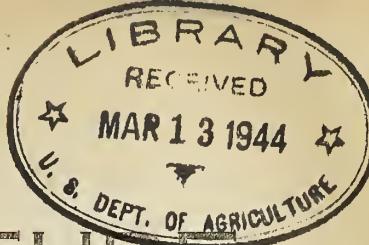


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# COTTON LITERATURE

## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING.  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

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C O T T O N   L I T E R A T U R E

Vol. 1

July, 1931

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PRODUCTION

Botany

Armstrong, G.M., and Albert, W.B. A study of the cotton plant with especial reference to its nitrogen content. Journal of Agricultural Research, v.42, no.10, May 15, 1931, p.689-703. tables. (Published by U.S.Dept. of Agriculture, Washington, D.C.)

Literature cited: p.702-703.

Brown, C.H., Ghaffar Selim, Abd El, and Balls, W. Lawrence. The wall of the cotton hair. Nature, v.127, no.3211, May 16, 1931, p.742-743. illus. (Published by Macmillan and Co., Ltd., St. Martin's St., London, W.C.2, England)

"It is remarkable that the physical properties of the cellulose wall should result in presenting to the cotton-spinner a much more uniform product than is produced on the plant, even though the plant has already done its best for him by making hairs of fairly uniform weight out of cells the diameter of which varies greatly."

Caskey, Charles, jr., and Gallup, Willis D. Changes in the sugar, oil, and gossypol content of the developing cotton boll. Journal of Agricultural Research, v.42, no.10, May 15, 1931, p.671-673. table. (Published by U.S.Dept. of Agriculture, Washington, D.C.)

Literature cited: p.673.

"Both gossypol and oil increased rapidly in the seed from the twenty-first day until the thirtieth day. The gossypol increased more rapidly than the oil, and continued to increase slowly until the boll was 50 days old and fully matured. The sugars in all parts of the boll decreased gradually during the 30-day period of growth."--Summary.

McClelland, C.K., and Neely, J. Winston. The order, rate, and regularity of blooming in the cotton plant. Journal of Agricultural Research, v.42, no. 11, June 1, 1931, p.751-763. tables. charts. (Published by U.S.Dept. of Agriculture, Washington, D.C.)

Literature cited: p.763.

Singh, T.C.N. Notes on the early stages in the development of the cotton-fibre and the structure of the boll and seed. Annals of Botany, v.45, no. 178, Apr.1931, p.378-380. (Published at London, England)

Bibliographical foot notes.

#### Genetics

Collings, Gilbeart H., and Wallace, R.W. The extent of vicinism in cotton at Clemson College. Journal of American Society of Agronomy, v.23, no.6, June 1931, p.490-492. (Published at Geneva, N.Y.)

Literature cited: p.492.

India. Madras presidency. Dept. of agriculture. Reports on the work of the agricultural stations in the Madras presidency for 1928-29. Madras, Govt.press, 1930. 699p.

Contains the following reports: Annual report of the cotton breeding station, Coimbatore, by G.R.Hilson, p.187-196; Annual report of the cotton breeding station, Kovilpatti, for 1928-29, by V.Ramanathan, p.197-207.

Jagannatha Rao, C., and Sankaran, J.R. Obstacles to the speedy evolution and to the successful spread of economic strains in cotton. Madras Agricultural Journal, v.18, no.6, June 1930, p.279-283. (Published at Coimbatore, Madras)

Peat, J.E. Extracts from the report on the work of the cotton breeding station, Gatooma, for the season 1929-30. Rhodesia Agricultural Journal, v.28, no.5, May 1931, p.444-449. (Published at Salisbury, Rhodesia)

#### Agronomy

Davis, T.A. Cotton in Egypt. Acco Press, v.9, no.6, June 1931, p.6-9. illus. (Published by Anderson, Clayton and Co., Houston, Texas)

Methods of cultivating, handling and merchandising Egyptian cotton. "The entire procedure, from preparing the land for planting until the cotton is finally loaded on steamers for export, is primitive." Includes descriptions of varieties.

Also in Cotton Digest, v.3, no.34, June 6, 1931, p.7.

Delinted planting seed. Acco Press, v.9, no.6, June 1931, p.12-13. illus. (Published by Anderson, Clayton and Co., Houston, Texas)

Description of experiment in planting delinted seed at Sartartia Plantation, near Sugar Land, Texas. Includes diagram of delinting machine.

Kräntzlin, G., and Marcus, A. Baumwolle. Berlin, Deutscher Auslandverlag Walter Bangert, 1931. 169p. illus. tables. (Wohltmann-Bücher. Bd.9)

Literature: p.168-169.

Cotton culture.

Pomeroy, Harold L. A California cotton contest. Results from the baby cotton-growing state. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.23-24. (Published at 161 Spring St., N.W., Atlanta, Ga.)

"Official figures of the Kern County 10 acre Cotton Contest reveal that Sam Robertson of McFarland, produced 1399 pounds of lint cotton per acre."

Stanford, J.E. Increasing the cotton yield. Southern Agriculturist, v.61, no.6, June 1931, p.28. (Published at 1523 Broad St., Nashville, Tenn.)

"Frequently much of the potential value of good preparation of the soil, pedigreed seed, and proper fertilization for the cotton crop is lost through failure of the farmer to give adequate, proper, and timely cultivation to the crop. Likewise...through failure to apply approved insect control measures at the right time."

Westbrook, E.C. 5-year average in cotton contest shows a large profit per acre. Southern Cultivator, v.89, no.4, June 15, 1931, p.5. (Published by the Constitution Publishing Co., Atlanta, Ga.)

Westbrook, E.C. How 5 Georgia cotton champions fertilized their crops of cotton. Southern Cultivator, v.89, no.4, June 15, 1931, p.10. (Published by the Constitution Publishing Co., Atlanta, Ga.)

Diseases

Dastur, Jehangir Fardunji. A short note on the diseases of cotton seedlings in the Central Provinces. Agriculture and Livestock of India, v.1, no.1, Jan.1931, p.44-48. (Published by the High Commissioner for India, 'India House,' London, England)

Taubenhaus, J.J., and Ezekiel, Walter N. Cotton root-rot and its control. College Station, Texas, 1931. 39p. illus. tables. (Texas Agr. Exp. Sta. Bul. No.423)

Extracts in Valley Farmer and South Texas Grower, v.4, no.17, June 5, 1931, p.14.

Insects

Grossman, Edgar F. Insect enemies of the cotton boll weevil. Florida Entomologist, v.15, no.1, Apr. 1931, p.8-10. (Published at Gainesville, Fla.)

Grossman, Edgar F. Poisoning cotton boll weevils. Gainesville, Fla., 1931. [2]p. (Fla.Agr.Exp.Sta. Press Bul.434)

Grossman, Edgar F. Winter survival of immature stages of the boll weevil. Florida Entomologist, v.15, no.1, Apr.1931, p.13-14. (Published at Gainesville, Fla.)

Hagopian, H. Cotton pest in the land of the pyramids. N.C.State Agriculturist, v.6, no.4, Jan. 1931, p.4, 10. (Published at North Carolina State College of Agriculture and Engineering, Raleigh, N.C.)

Pink bollworm.

Husain, M.A., and others. Studies on *Platyedra gossypiella*, Saunders, in the Punjab. Pt.II. The sources of *Platyedra gossypiella* infestation. Indian Journal of Agricultural Science, v.1, no.2, Apr.1931, p.204-285. (Published at Calcutta, India)

Leaf-curl in cotton. Nature, v.126, no.3190, Dec. 20, 1930, p.958. (Published by Macmillan and Co., Ltd., St.Martin's St., London, W.C.2, England)

Comment on a letter from Mr.Kirkpatrick stating that "in the Gezira area (Sudan) an undetermined

species of Aleyrodidae causes leaf-crinkle."

Ramirez, C. Commentarios algodoneros. Agricultor Puertorriqueno, v.11, no.11, June 15, 1931, p.14. (Published at San Juan, Porto Rico)

Relates to the pink bollworm of cotton.

Rodriguez, J.P. Alarmante irrupcion de la oruga rosada del algodon en el distrito sur. Revista de Agricultura de Puerto Rico, v.26, no.11, May 1931, p.174, 176. (Published at San Juan, Porto Rico)

Alarming outbreak of pink bollworm of cotton in the southern district.

Sanborn, C.E. Experiments show progress in control of boll weevil in the form of sweet bait. Oklahoma Cotton Grower, v.11, no.16, June 10, 1931, p.4. (Published at 10 West 6th St., Oklahoma City, Okla.)

Torres, I.L. Campana contra el gusana rosada del algodon. Revista Agricultura de Puerto Rico, v.26, no.11, May 1931, p.175-176. (Published at San Juan, Porto Rico)

Campaign against the pink bollworm of cotton.

#### Farm Management

Bonnen, C.A., and Elliott, F.F. Type-of-farming areas in Texas. College Station, Texas, 1931. 84p. illus. tables. (Texas Agr.Exp.Sta.Bul.427)

Describes 20 areas, and the types of farming in each. Cotton is raised to some extent in every area but one.

Currie, J.H. A study in black and white in Kern county. Pacific Rural Press, v.121, no.16, Apr. 18, 1931, p.446. (Published at 560 Howard St., San Francisco, Calif.)

Cost of producing cotton in Kern county, California.

Curry, W.R. Cost of cotton production in Georgia. Commerce and Finance, v.20, no.24, June 17, 1931, p.934. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Letter in which the writer says, "In 1930, I made 521 bales of cotton, weighing 252,376 pounds, an

average of 252 pounds of lint to the acre at a cost of 11.25 cents per pound."

Cyrus, Claude H. Make economic survey of cotton production costs. Study made with reference to length of the staple, year 1930. Oklahoma Cotton Grower, v.11, no.16, June 10, 1931, p.4. (Published at Oklahoma City, Oklahoma)

"Cotton farmers in southwestern Oklahoma, particularly in the best cotton producing areas of Grady, Caddo, Washita and Tillman counties, made less dollars per acre in 1930 growing half and half cotton than they did growing varieties having a relatively longer staple such as Oklahoma Triumph (44), Acala, Mebane and Kasch, according to an investigation made by the Agricultural Economics Department of Oklahoma A. and M. College."

Georgia cotton cost \$32 per acre crop of 1930. Southern Cultivator, v.89, no.4, June 15, 1931, p.5. (Published by the Constitution Publishing Co., Atlanta, Ga.)

White, Owen P. Cotton poor. Collier's, v.87, no.23, June 6, 1931, p.16-17, 61. (Published at Springfield, Ohio)

"It's the medieval system under which most of our cotton is grown which keeps the cotton farmer poor."

Discusses the Farm Board's operations and the condition of tenants on cotton farms.

#### Cooperation in Production

Cook, O.F. Una sola variedad de algodon en cada comarca. Hacienda, v.26, no.6, June 1931, p.248-249. illus. (Published at Buffalo, N.Y.)

One-variety cotton districts.

Pomeroy, Harold L. How cotton came to California. Pacific Rural Press, v.121, no.24, June 13, 1931, p.640. (Published at 560 Howard St., San Francisco, Calif.)

History of cotton production in the San Joaquin valley of California, showing the results of a one-variety community. Yield per acre averaged 440 pounds of lint in 1929 and reached 1,399 pounds in a "recent cotton contest held in Kern county."

Subramaniam, G.K. Development of "cotton seed societies" on a co-operative basis in Coimbatore district. Madras Agricultural Journal, v.18, no.10, Oct.1930, p.520-523. (Published at Coimbatore, Madras)

#### PREPARATION

##### Ginning

Gullett Gin Co. A history of the Gullett Gin Company. American Ginner and Cotton Oil Miller, v.8, no.10, June 1931, p.14-15, 16. illus. (Published at Little Rock, Ark.)

Killough, D.T. Meeting the challenge of foreign cotton competition. Texas Co-operative News, v.11, no.12, June 15, 1931, p.2. (Published at Dallas, Texas)

Discusses the staple length of Texas cotton and the effect of poor ginning and the use of a mechanical cotton harvester on the grade of cotton.

Lummus announces new improvements. American Ginner and Cotton Oil Miller, v.8, no.10, June 1931, p.17, 20. illus. (Published at Little Rock, Ark.)

Description of the gyrator distributor, the feeder-hull separator, and the all-metal cotton gin press.

Sen, K.R. On the effect of ginning on the staple-length of cotton fibres, and also on the reliability of random sampling. Agriculture and Livestock in India, v.1, pt.2, Mar.1931, p.142-150. tables. (Published by High Commissioner for India, 'India House', London, England)

"The conclusions from the experiments may be summed up as follows:— (i) random selection of a sample from a bulk of cotton, provided the bulk has been ginned and thereby inter-mixed, is sufficient to represent the bulk so far as the average length is concerned; (ii) ginning produces some breakage among fibres of length about 1 inch and above thereby decreasing the percentages of fibres above an inch in length and at the same time increasing those of shorter lengths; (iii) there is a possibility of a considerable number of fibres over one inch in length breaking during hand-separating; (iv) the effect of ginning on the

average length for an individual sample is not very remarkable, being so slight as to be within the limits of experimental error."—Conclusions.

### MARKETING

#### Demand and Competition

Allen, M.I. Sales of United States textile products in Argentina. Argentina ranked as fourth largest customer for United States textile products, other than raw cotton, in 1930, when takings were valued at \$9,139,120—cotton yarn exports comprised about 39.3 per cent of the total and cotton cloth, 28.6 per cent. Commerce Reports, no.22, June 1, 1931, p.542-545. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington, D.C.)

Anishev, An. Means of socialist reconstruction of the cotton industry. Moscow, 1930. 192p.  
In Russian.

The Austro-German customs union. Probable effects on the two countries' textile industries. Textile Weekly, v.7, no.170, June 5, 1931, p.440. tables. (Published at 49, Deansgate, Manchester, England)

Belgium's textile industries. New markets found in the United Kingdom. Textile Weekly, v.7, no.170, June 5, 1931, p.437. (Published at 49, Deansgate, Manchester, England)

Based on report by N.S.Reyntiens on "Economic Conditions in Belgium in 1930," published by the British Department of Overseas Trade.

Flax, cotton, wool, and rayon are discussed separately.

Bosch-Labrus, Louis. L'industrie cotonnière espagnole. Bulletin Periodique de la Société Belge d'Études et d'Expansion, v.77, Oct.1930, p.397-399. (Published at Liege, Belgium)

The Spanish cotton industry.

Not seen. Noted in Social Science Abstracts, v.3, no.6, June 1931, p.856, Abst.9352.

Bowe, Robert F. What's wrong with goods buyer. Does not pay enough nor buy enough cotton goods at any

price--buyers and sellers should study each other's problems--some important factors. American Wool and Cotton Reporter, v.45, no.26, June 25, 1931, p.17-19. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Address at annual international convention of the National Association of Purchasing Agents at Toronto, Canada.

Discusses need of standardization; importance of breaking strength, and tinged or off-color cotton.

Cheatham, Robert J. Adversity is the mother of new uses for cotton. Farm and Ranch, v.50, no.25, June 20, 1931, p.2, 7. (Published at 3306 Main St., Dallas, Texas)

Cheatham, Robert J. Scientific research continuously working to establish additional uses of cotton. Cotton Trade Journal, v.11, no.23, May 30, 1931, p.4. (Published at New Orleans, La.)

Colt, F.A. Webb law export associations and textiles. Southern Textile Bulletin, v.40, no.13, May 28, 1931, p.5-6. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Address before National Foreign Trade Convention in New York.

Cotton! Manufacturers Record, v.99, no.23, June 4, 1931, p.25-26. (Published at Commerce and Water Streets, Baltimore, Md.)

"This is National Cotton Week...This movement to popularize cotton, which has been making such splendid progress, will be of great service in awakening the South to its own responsibility to the fact that it is a consumer, as well as a producer of cotton."

Cotton bagging gains in favor. Indications point to use of 5 to 7 million yards during coming season. Cotton Digest, v.3, no.34, June 6, 1931, p.8. (Published at Houston, Texas)

"Paramount in the development of new markets is the fresh interest on the part of the cotton growers and ginners to use cotton bagging as a covering material on raw cotton bales."

Dexter, Robert C. Textile wage should increase, says Dr. Dexter. Textile World, v.79, no.23, June 6, 1931, p.2489. (Published by Bragdon, Lord and

Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Abstract of a report of a field study of the cotton textile industry in New England.

Eyskens, Gaston. L'industrie textile belge en 1930. Bulletin de l'Institut des Sciences Économiques, v.2, no.2, Mar. 1931, p.147-162. tables. (Published at Bibliothèque de l'Université, Place du Peuple, Louvain, Belgium)

The Belgian textile industry in 1930.

Haslam, James. The Lancashire cotton outlook. Producer, v.15, no.5, May 1931, p.133-134. (Published by the Cooperative Wholesale Society, Manchester, England)

Comment on the report of the Cotton Mission of the British Economic Mission to the Far East from the point of view of cooperatives.

Jefferson, Floyd W. Extending king cotton's frontiers. Commerce and Finance, v.20, no.22, June 3, 1931, p.837, 839. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Lancashire's trade with India. Extent of boycott's effect on piece-goods. Textile Weekly, v.7, no. 171, June 12, 1931, p.481. tables. (Published at 49, Deansgate, Manchester, England)

McLaurine, W.M. The follow through of National cotton week. Southern Textile Bulletin, v.40, no.15, June 11, 1931, p.5, 24-25. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

"National Cotton Week must be considered only a part of the road that textile industry must travel back to a happy economic situation."

The author discusses uses of cotton, with special reference to its sanitary properties.

National cotton week. Thousands of merchants throughout the country are featuring the manifold uses of cotton by advertising and window and store displays. American Wool and Cotton Reporter, v.45, no.23, June 4, 1931, p.11-12, 19. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

National cotton week an unqualified success. *Textile World*, v.79, no.23, June 6, 1931, p.2484, 2529. illus. (Published by Bragdon, Lord and Nagle Co., Tenth Ave. at 36th St., New York, N.Y.)

Niemeyer, A. The trend of the German textile industry. *Textile Recorder*, v.49, no.579, June 15, 1931, p.39-40. (Published at 121, Deansgate, Manchester, England)

Norwegian textile industry active. *Commerce Reports*, no.22, June 1, 1931, p.545-546. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington, D.C.)

Overseas markets for British textiles. The United States and Mexico. *Textile Weekly*, v.7, no.179, May 29, 1931, p.408-409. (Published at 49, Deansgate, Manchester, England)

Review of "Report on Economic Conditions in the United States of America," and "Economic Conditions in Mexico," by Department of Overseas Trade, Great Britain.

Slater, W.H. Markets for Lancashire's goods. The South-East Asia group. *Textile Weekly*, v.7, no.170, June 5, 1931, p.438-439. tables. (Published at 49, Deansgate, Manchester, England)

Slater, W.H. Trends in the Lancashire cotton industry. Prices, production and unemployment index figures. *Textile Weekly*, v.7, no.168, May 22, 1931, p.374-375. tables. (Published at 49, Deansgate, Manchester, England)

Sloan, George A. Accepting orders not justified at present prices for narrow sheetings. *Textile World*, v.79, no.26, June 27, 1931, p.2782. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Sloan, George A. National cotton week. *Commerce and Finance*, v.20, no.22, June 3, 1931, p.834-835, 837. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Why jute bagging?--Discussion presented as written for the information of readers. *Cotton Ginners' Journal*, v.2, no.9, June 1931, p.16-18. (Published at Dallas, Texas)

Reprinted from the Cotton Trade Journal, Sept. 27, 1930.

Discussion of the advantages of sugar bag cloth over jute or cotton bagging for wrapping cotton bales.

Supply and Movement

British cotton growing association. Twenty-sixth annual report for the twelve months ending December 31st, 1930. Manchester, 1931. 64p. illus. ([Pub.] 114)

Comer, Donald. Some common problems of the cotton planter and spinner. Southern Textile Bulletin, v.40, no.13, May 28, 1931, p.8, 10, 12-13. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Address at the Cotton Festival at Dallas, Texas, in which the author considers the condition of the cotton farmer and the need for balanced production and better quality cotton.

Also in Cotton Trade Journal, v.11, no.23, May 30, 1931, p.8, 10.

El Chaco en su potencialidad agricola y economica, con el cultivo del algodon. Gaceta Algodonera, v.8, no.87, Apr.30, 1931, p.10-12. illus. (Published at Buenos Aires, Argentina)

The agricultural and economic potentialities of the Chaco for the cultivation of cotton.

Empire cotton growing corporation. Report of the administrative council of the corporation submitted to the tenth annual general meeting on May 20th, 1931. Millbank House, London, Empire Cotton Growing Corp., 1931. 94p. tables.

Annual report for the season 1929-1930.

Describes the progress of the work in each of the cotton-growing countries of the Empire; the research work of the various experiment stations; and spinning tests made at Shirley Institute.

Empire cotton growing corporation. Report of the tenth annual general meeting. [Millbank House, London, Empire Cotton Growing Corp., 1931] 16p.

Contains addresses by Lord Derby, Mr. Downie, and Mr. F.A. Stockdale regarding the present situation in the cotton-growing areas of the Empire.

Flint, Richard. French colonial cotton cultivation. Private enterprise lacking? *Textile Weekly*, v.7, no.170, June 5, 1931, p.446. (Published at 49, Deansgate, Manchester, England)

"The French Government can do, and has already done, much to further cotton growing in the colonies. But...it is powerless to get satisfactory results if private enterprise is not assisting its efforts."

Hagopian, H. The history of cotton growing in Nile Valley. *N.C.State Agriculturist*, v.6, no. 8, May 1931, p.7, 24. (Published at North Carolina State College of Agriculture and Engineering, Raleigh, N.C.)

North Carolina farm facts. Summary 1929-1931.

*Farm Forecaster*, no.60, May 1931 (annual issue 1930), p.1-52. (Published by Cooperative Crop Reporting Service, Raleigh, N.C.)

County cotton facts: p.8; cotton ginnings by counties for six years: p.9; discussion of the cotton situation: p.10; cost of producing crops in North Carolina: p.41.

Schoffelmayer, Victor H. The 1931 cotton crop...? *Cotton and Cotton Oil News*, v.32, no.24, June 13, 1931, p.1. (Published at Dallas, Texas)

Discusses the outlook for Texas.

Todd, John A. A cotton stocktaking. Production, consumption and carry-overs. *Textile Weekly*, v.7, no.168, May 22, 1931, p.374-375. table. (Published at 49, Deansgate, Manchester, England)

"Judging from the three months that have already gone, and keeping in view the fact that the only statistics we have are those for the United States, it is now clear that the world's total [consumption of American cotton] for the second half of the season is not likely to be much in excess of 6 million bales, making the total for the season about 11 1/4 million bales. That means... a carry-over at July 31 next of about 9 million bales, including the Oriental stocks, or not far short of a season's consumption in stock...The restriction of consumption is mainly in American and Egyptian...It may be, therefore, that we are at the beginning of a new era when America's dominance of the cotton world will be threatened as it has never been since the Civil War."

White, H.A. The grade and staple of South Carolina's 1930 cotton crop. Clemson College, S.C., 1931. 15p. illus. (S.C.Agr.Exp.Sta.Circ.47)

Prices

Burton, C.S. Wheat and cotton--a dilemma in abundance. Two international commodities whose price movements have become as much the concern of cabinets as of millers, of business men as well as farmers and shippers. Magazine of Wall Street, v.48, no.4, June 13, 1931, p.214-217, 260. charts. (Published by the Ticker Publishing Co., Inc., 42 Broadway, New York, N.Y.)

"Since the industrial revolution...the thought of the world has been centered on production. With every price collapse, tradition has veered man's thought around to the contemplation of the time when scarcity was normal. The only remedy which we have been able to visualize for temporary over-production has been restriction of output."

Farrington, C.C. Cotton price-quality relationships in local markets of Louisiana. Baton Rouge, La., 1931. 59p. tables. (La. Agr.Exp.Sta.Bul.221)

[Thesis (M.A.)-Oklahoma A. and M. College]

"It seems apparent from this study that the type-of-buyers and the degree of competition in a market are very important factors with respect to price quality relationships and average price levels, and that comparability and uniformity of cotton classing are prerequisites for an accurate reflection of quality values to farmers."--Summary.

Hoffman, G. Wright. Factors affecting prices on organized commodity markets. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.91-99. charts. (Published at Philadelphia, Pa.)

"The factors having an immediate effect upon the market may be broadly divided into two groups--natural and artificial...Natural factors may be defined as price elements or conditions inherently associated with the production and the distribution of a commodity. Artificial factors, in contrast, are man-made elements or conditions created specifically for the purpose of influencing price. As price determinants the former are far more important, accounting for most of the broad and fundamental movements from week to week and from season to

season. The latter are usually of a temporary character and less important."

Pearse, Arno S. To dispose of U.S.cotton holdings. Commerce and Finance, v.20, no.22, June 3, 1931, p.850. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Interview giving suggestion for disposing of Farm Board holdings by daily sales as is being done in Egypt.

Revere, C.T. The various causes which interfere with the normal trend of cotton values. Cotton and Cotton Oil News, v.32, no.26, June 27, 1931, p.1-3, 9. (Published at Dallas, Texas)

Address at International Cotton Congress, Paris, June 22-25, 1931.

Discusses the effects of Farm Board operations.

Stevens, W.H.S. Relationship of cash and future prices. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.79-90. (Published at Philadelphia, Pa.)

"The more stable or uniform the cash-future spread, the more satisfactory are conditions for hedging, and vice versa. These points may be readily illustrated by a few hypothetical cases" from the grain and cotton markets.

#### Marketing and Handling Methods and Practices

Enforceability of cotton futures contracts in Germany and the decision of the German highest court. Washington, D.C., U.S.Department of Commerce, Bureau of Foreign and Domestic Commerce, 1931. ir-reg.p. (Joint special circ. No.262-Division of commercial laws. No.611-Textile division)

Hoffman, G. Wright. Governmental regulation of exchanges. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.39-55. (Published at Philadelphia, Pa.)

Includes comment on the U.S.Cotton Futures Act.

Hubbard, W. Hustace. Hedging in the cotton market. American Academy of Political and Social Science, Annals, v.155, pt.I, May 1931, p.23-38. (Published at Philadelphia, Pa.)

Discusses origin of futures trading; theory of hedging; volume of transactions; grading of cotton;

valuation by staple; "basis"; speculation; "call cotton"; limitations of hedging system.

International chamber of commerce. Trading in futures. Its aim, functions, and legal treatment. 38 Cours Albert 1, Paris, France, 1931. 23p. (Congress brochure no.10)

Jordan, Harvie. Cotton growers' problems in field and markets. Southern Cultivator, v.89, no.3, June 1, 1931, p.2. (Published by Constitution Publishing Co., Atlanta, Ga.)

"The present pressing need of cotton farmers in marketing is a system, either local or state, that will insure to them the proper grade and staple of each bale of cotton offered for sale."

Loman, H.J. Commodity exchange clearing systems. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.100-109. tables. (Published at Philadelphia, Pa.)

Parker, Walter. Future trading in cotton versus plan of direct barter given defense by economist. Proposal to revert to direct barter as substitute for future trading discussed by well known economist--in defending future trading economist declares direct barter would not work but would only cause much confusion. Cotton Ginner's Journal, v.2, no. 9, June 1931, p.7-8. (Published at Dallas, Texas)

#### Services and Facilities

Brazilian cotton: grading. (Abstract) Empire Cotton Growing Review, v.8, no.2, Apr.1931, p.145. (Published by P.S.King and Son, Ltd., 14, Great Smith St., London, S.W.1, England)

"The Ministry of Agriculture, Brazil, has set up type samples of cotton according to three main grades for staple length - short (22-28 mm.), medium (28-34mm.), and long (above 34mm.) Each of these is subdivided into five 'whole types', according to cleanliness; these are numbered 1,3, 5,7,9, the last being the worst, corresponding with about 20 per cent. of trash. There are also four 'half types' numbered 2,4,6, and 8."-Abstract from Summary of Current Literature, x., v.24, 1931, p.666, of article in Leipziger Wochenschrift für Textil-Industrie, v.45, 1930, p.870.

Abstract also in Textile Institute Journal, v. 22, no.3, Mar.1931, p.A154.

Brooks, D.W. Functions and services of the cotton merchant. Commerce and Finance, v.20, no.22, June 3, 1931, p.841, 843, 845. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

"It is not my purpose in this article to enter into any discussion or criticism of the Federal Farm Board or its activities, nor shall I attempt to answer their campaign directed at the individual cotton merchant...My sole purpose is to enquire into the expediency of eliminating the individual cotton merchant, and to recall to the mind of the cotton world the position which the cotton merchant occupies and the service which he performs."

Crosby, Henry T. Why not complete cotton standards. Texas Weekly, v.7, no.26, June 27, 1931, p.7-10. (Published by Peter Molyneaux, 2500 McKinney Ave., Dallas, Texas)

Suggests standards for texture, tensile, and uniformity.

Forrester, R.B. Commodity exchanges in England. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.196-207. (Published at Philadelphia, Pa.)

Includes descriptions of the Liverpool and Manchester cotton exchanges.

Hirschstein, Hans. Commodity exchanges in Germany. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.208-217. (Published at Philadelphia, Pa.)

Translated by Karl W. Scholz.

Describes exchange laws and procedure, including procedure in dealing in cotton.

Huebner, S.S. The insurance service of commodity exchanges. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.1-6. (Published at Philadelphia, Pa.)

International universal cotton standards conference of 1931. Meetings of May 9 and May 12, 1931...Washington, D.C. Washington, U.S. Department of Agriculture, 1931. 32p. mimeographed.

Proceedings of the meeting.

Lavergne, A. de. Commodity exchanges in France. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.218-222. (Published at Philadelphia, Pa.)  
Translated by F. Cyril James.

Liverpool cotton association. Rules of the Liverpool cotton association. Liverpool, Turner, Routledge and co., 1931. 135p.  
Loose-leaf.

Odell, F.D. Survey of conditions of cotton marketing in Berar. Rangoon, 1931. 39p. (India. Burma. Dept. of agriculture. Agricultural surveys, no.9)

Sano, Zensaku, and Iura, Sentaro. Commodity exchanges in Japan. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.223-233. (Published at Philadelphia, Pa.)  
Cotton and cotton fabrics are mentioned among the commodities traded in.

#### Marketing Costs

Trant, James B. Financing the production and marketing of cotton. Southwestern Social Science Quarterly, v.12, no.1, June 1931, p.51-60. (Published at Austin, Texas)

"Attention here...will be devoted to an outline of the principal methods used in financing the cotton farmer, the local cotton market, and both the domestic and foreign shipments of cotton."

#### Cooperation in Marketing

American cotton cooperative association. Cooperative handbook for 1931... New Orleans, La., American cotton cooperative association, 1931. 50p.

"The truth about the Federal Farm Board and the Cotton Cooperatives for those interested in the welfare of the South."

Annual report of general manager. Oklahoma Cotton Grower, v.11, no.15, May 25, 1931, p.2. (Published at Oklahoma City, Okla.)

Report of A.E.Kobs, General Manager of Oklahoma Cotton Growers' Association.

Hood, Robin. The development of cooperation in America. Valley Farmer and South Texas Grower,

v.4, no.18, June 20, 1931, p.8,13. (Published at Mercedes, Texas)

Includes statement regarding the development of cotton cooperatives.

Moser, C.O. The complaint of the cotton shippers. Middlemen are fighting co-operatives, not the Farm board. Oklahoma Farmer-Stockman, v.44, no.9, May 1, 1931, p.287. (Published at Oklahoma City, Okla.)

Reply to article by Walter Parker in Oklahoma Farmer Stockman, v.44, no.8, Apr.14, 1931, p.253.

Resolution passed by the Oklahoma cotton growers' association in annual convention assembled May 25, 1931. Oklahoma Cotton Grower, v.11, no.15, May 25, 1931, p.1. (Published at Oklahoma City, Okla.)

Resolutions endorsing the Agricultural Marketing Act, the Federal Farm Board in its efforts to put the act into operation, and the American Cotton Cooperative Association.

Smith, Howard C. The Farm board discussed. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.21-22. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Discusses the cooperative marketing powers of the Federal Farm Board with special reference to cotton.

### UTILIZATION

#### Fiber, Yarn and Fabric Quality

Cady, Wm. H., Smith, Wm.C., and Appel, Wm.D. Classification of the fastness of dyed textiles in the standard sunlight exposure test. American Dyestuff Reporter, v.20, no.11, June 8, 1931, p.359-380. tables. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Cook, O.F. Inequality of cotton fibers. A direct method of comparing substaple. Journal of Heredity, v.22, no.1, Jan.1931, p.25-34. 4 pl. (Published at the Victor Bldg., Washington, D.C.)

Ellis, H. Mildew defects in relation to textile materials. Textile Recorder, v.49, no.579, June 15, 1931, p.40-41. illus. (Published at 121, Deansgate, Manchester, England)

To be continued.

Hays, Margaret B. A method for determining the thickness of pile and napped fabrics. *Journal of Home Economics*, v.23, no.6, June 1931, p.560-564. table. illus. (Published by the American Home Economics Association, Baltimore, Md.)

References: p.564.

"Although the routine work of planimeter measurements requires considerable time, this method eliminates the variable compressibility encountered with the various gauges in general use and gives a value for effective thickness.

Heerman, Paul, and Herzog, Alois. *Mikroskopische und mechanisch-technische textiluntersuchungen*. Berlin, Germany, Julius Springer, 1931. 451p. illus.

Microscopical and mechanical technique for textile research.

Heinrich, H. The testing of bleached goods for oxycellulose. *Textile Manufacturer*, v.57, no.677, May 1931, p.186-187. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Hodge, Wm.B. Comparative moisture content yarns packed for the market. *Arkwright Journal*, v.1, no.1, Jan.-Feb.-Mar., 1931, p.17-21, 22-24. tables. (Published by The Arkwrights, Inc., 908 Johnston Bldg., Charlotte, N.C.)

"Cotton regain is so commonly accepted as the commercial expression of the moisture in the stock that I have used that term throughout the paper." Describes method of securing samples and testing them. "The average regain in the finished cloth as being shipped from the yarn mills was 6.6 per cent."

Hutton, Clarence. Effect of temperature regulation on warp yarns in weaving. *Arkwright Journal*, v.1, no.1, Jan.-Feb.-Mar., 1931, p.5-8. (Published by The Arkwrights, Inc., 908 Johnston Bldg., Charlotte, N.C.)

"From summary it can be seen that the number of breaks was 1040 on the warps made under manual control, while on the warps made with automatic temperature regulation there were only 872 breaks." - Conclusions.

Kaufmann, H. Catalytic attacks on fibres. *Textile Weekly*, v.7, no.171, June 12, 1931, p.477. (Pub-

lished at 49, Deansgate, Manchester, England)

Abstract of lecture to be given at the general meeting of the Verein Deutsche Chemiker (Union of German Chemists), which will shortly be held in Vienna.

McNicholas, H.J., and Curtis, H.J. Measurement of fiber diameters by the diffraction method. Bureau of Standards Journal of Research, v.6, no.4, Apr. 1931, p.717-734. illus. (Published by Bureau of Standards, U.S. Department of Commerce, Washington, D.C.)

"In the present paper a new construction of Young's instrument (the eriometer) is described, and a critical study is made of the accuracy and adaptability of the instrument in the averaging of a wide range of diameters as distributed in a group of fibers. Sources of error and limitations of the method are discussed." Wool fibers were used in this study.

Marsh, M.C. The thermal insulating properties of fabrics. Textile Institute, Journal, v.22, no.5, May 1931, p.T245-T273. tables. (Published at 16, St. Mary's Parsonage, Manchester, England)

Cotton is among fabrics comparatively tested.

Murphy, Oliver G. Percentage of different lengths found in one inch cotton. Arkwright Journal, v.1, no.1, Jan.-Feb.-Mar., 1931, p.5-8. tables. (Published by The Arkwrights, Inc., 908 Johnston Bldg., Charlotte, N.C.)

"In making this test we have separated the staple of eighteen bales that have been classified by a good stapler as one inch cotton, and three bales each were received from six different States." Names of the six states may be had on application to the publishers.

Schwarz, Edward R. Microscope sheds new light on yarn-manufacturing problems. Textile World, v.79, no.26, June 27, 1931, p.2783-2785. illus. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Article 12 (cont.) in "Don't be afraid of the microscope" series.

"Discusses the value of this instrument in controlling penetration of dyestuffs and sizings, in computing contraction due to twist, and in determining the effect of fiber slippage on the tensile strength of yarns."

The testing of cloth for strength. The effect of the edges of the test piece. *Textile Weekly*, v.7, no. 170, June 5, 1931, p.444. chart. tables. (Published at 49, Deansgate, Manchester, England)

Turner, A.J. The determination of quality of agricultural produce, with special reference to cotton. *Indian Journal of Agricultural Science*, v.1, no.2, Apr.1931, p.157-165. (Published at Calcutta, India)

"It is unlikely that either the spinning test or the scientific fibre-tests will displace the grader's valuation in commercial practice. But where the highest accuracy is required...the spinning test must still remain the ultimate court of arbitrament, though there is now every hope that our research work on the fibre-properties will eventually allow us to offer much more trustworthy advice than the cotton grader can do at those early stages in plant breeding when the quantity of cotton lint produced is all too small for a satisfactory spinning test."

Willis, H.H. Textile testing laboratory has demonstrable value. *Textile World*, v.79, no.22, May 30, 1931, p.2390-2391. illus. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Description of Textile Department testing laboratory at Clemson College, South Carolina.

#### Technology of Manufacture

Bleaching by the use of ozone. *Textile Manufacturer*, v.57, no.677, May 1931, p.177. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Chase, Winn W. Rapidogen dyestuffs facilitate production of fast-color prints. *Textile World*, v. 79, no.23, June 6, 1931, p.2493. (Published by Bragdon, Lord and Nagle Co., Tenth Ave. at 36th St., New York, N.Y.)

"This stability coupled with the fact that the Rapidogens make available in naphtholate derivates a bright scarlet, a violet, and two blues which heretofore were missing, accounts for the interest in these colors."

Controlling picker room humidity by re-circulating air in pickers. *Cotton*, v.95, no.8, June 1931, p.729-732. illus. (Published by W.R.C.Smith Publishing Co., Atlanta, Ga.)

"A complete description, prepared exclusively for COTTON by an executive of the Fulton Bag and

Cotton Mills, of the method developed there of re-circulating air in pickers, and thus controlling the picker room humidity. Air exhausts from the pickers are eliminated, and definite control of the 'regain' in laps, regardless of outside conditions, is provided."

Cotton goods standard for rubber and pyroxylin coating. India Rubber World, v.84, no.1, Apr.1, 1931, p.61-62. tables. (Published at 420 Lexington Ave., New York, N.Y.)

"The Department of Commerce submits for approval of the industry, these recommended commercial standards, as sponsored by the Association of Cotton Textile Merchants of New York, The Cotton-Textile Institute, Inc., The Association of Pyroxylin Coated Fabric Manufacturers, and the Automobile Fabric Manufacturers Division of The Rubber Manufacturers Association, Inc. This recommendation is to become effective on announcement of official acceptance."

Cox, James W. Perfect sizing of high sley cotton warps. Black and White (Textile ed.), v.4, no.3, June 1931, p.14-16. illus. (Published by E.F. Houghton and Co., 240 West Somerset St., Philadelphia, Pa.)

"Remarkable high quality, smoothness, evenness, strength, elasticity, etc., of sized warps, formerly not possible, now readily obtainable."

Dawson, J.H. Practical hints on the ring spinning system. Textile American, v.55, no.6, June 1931, p.11-13. illus. (Published at 440-442 Old South Bldg., Boston, Mass.)

To be continued.

Engelmann, Josef. Hochverzugsstreckwerke. Monatsschrift für Textil-Industrie, v.46, no.3, March 1931, p.83-84. illus. (Published by Theodor Martins Textilverlag, Leipzig C 1, Germany)

To be continued.

High draft drawing frame.

Fadenbrüche in der baumwollspinnerei. Monatschrift für Textil-Industrie, v.45, no.12, Dec.1930, p. 45f. tables. (Published by Theodor Martins Textilverlag, Leipzig, Germany)

"The article is the reply to a reader's question as to what number of thread breaks per spindle hour may be regarded as normal on fly frames, mules, and ring frames spinning medium

count warp and weft yarns from American middling cotton. Data obtained by the author in five mills, English, German, and Italian, under regulated humidity conditions, and for cards, draw frames, fly frames, and spinning frames are tabulated, and the value of systematic studies of end breakages in helping to reduce the number of breakages and improve the various processes is emphasized."—Textile Institute Journal, v.22, no.5, May 1931, p.A227.

Garfunkel, Leonard. Modern methods of cloth refinishing and shrinking present striking contrast to former practices. Textile World, v.79, no.26, June 27, 1931, p.2778-2781. illus. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Abstract from paper delivered at thirteenth annual meeting of the Alumni Association of the Philadelphia Textile School.

"Outlines the history of cloth refinishing and shrinking, describes the modern equipment and methods employed, and discusses the economic aspect of this industry."

Relates principally to shrinking of woolens.

Gurtler, H. Textile printing with the rapid fast colors. Textile Colorist, v.56, no.628, Apr.1931, p.246-247, 250. (Published at the Woolworth Bldg., New York, N.Y.)

King, William. Machine efficiency in textile manufacturing. Melland, v.3, no.3, June 1931, p.215-218. (Published at the Woolworth Bldg., New York, N.Y.)

Kirsner, H. Color and fast colors in fabrics for military purposes. American Dyestuff Reporter, v.20, no.9, May 11, 1931, p.299-303. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Address at meeting of the New York Section of the American Association of Textile Chemists and Colorists, Apr.24, 1931.

Includes discussion of fast colors for cotton cloth.

Knowland, Richard G. Fiber to textile—by way of the unit operation. Chemical and Metallurgical Engineering, v.38, no.6, June 1931, p.339-342. illus. (Published by McGraw-Hill Publishing Co.,

New York, N.Y.)

Address before meeting of the American Institute of Chemical Engineers at Swampscott, Mass., June 10, 1931.

"General classes of textile operations which are affected by chemical engineering efforts are conveying materials, drying, humidification, evaporation, refrigeration, heat flow, and flow of liquids."—From Extracts in Textile World, v.79, no.25, June 20, 1931, p.2682-2683.

Modern air-conditioning plant. Automatic control of temperature and humidity. Davidson & Co., Ltd., Sirocco Engineering Works, Belfast. Textile Recorder, v.49, no.579, June 15, 1931, p.46-47. illus. (Published at 121, Deansgate, Manchester, England)

New tentative standards and revisions proposed by testing society. Textile World, v.79, no.26, June 27, 1931, p.2776-2777. tables. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Report of Committee D-13 at 34th annual meeting of American Society for Testing Materials in Chicago, June 22-26, 1931.

Tentative standards recommended were: "specifications and test methods for cotton goods for rubber and pyroxylin coating, specifications for enameling duck for the tire industry, specifications for 0.007-in. cotton tape, and a method of determining relative humidity."

Palmer, Albert. Modern machinery and research. Comprehensive engineering develops standardized looms--saving of 34% in weaving costs--second-quality yardage reduced 50% and output per loom increased 11%. American Wool and Cotton Reporter, v.45, no.23, June 4, 1931, p.15-16, 27, 29, 31-34. charts. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Paper read at meeting of Textile Division of the American Society of Mechanical Engineers in Hartford, Conn.

Table 1 shows the constituents of cost in typical cotton fabrics.

Ratcliffe, A. Blowing-room practice: the production of a regular lap. Textile Manufacturer, v.57,

no.677, May 1931, p.161. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Recent advances in textile assistants. Textile Weekly, v.7, no.168, May 22, 1931, p.381,383. (Published at 49, Deansgate, Manchester, England)

"An outstanding feature of recent patent literature has been the number of patents concerned with wetting-out agents, dispersing agents, or other textile assistants...Even a cursory survey of the patent literature indicates how greatly the field has been extended...Most of the research in this field remains in German hands."

Rice, George. Bleaching sewing cotton. Textile Colorist, v.53, no.630, June 1931, p.408-409. illus. (Published at Woolworth Bldg., New York, N.Y.)

Rice, George. How much should a dyer know about twist in yarn? Among the eight tests for quality in cloth that of yarn twist is one. Textile Colorist, v. 53, no.628, Apr.1931, p.238,274. illus. (Published at Woolworth Bldg., New York, N.Y.)

"In this article we will refer in the main to spinning conditions that develop complications in the yarn which make it difficult for the dyer to color evenly and easy for the textile analyst to find because of the color variations brought about by these complications."

Schaphorst, W.F. Humidity control for textile mills. Textile American, v.55, no.6, June 1931, p.46-47. (Published at 440-442 Old South Bldg., Boston, Mass.)

Definition and illustrations of "relative humidity."

"Setter." Ring-frame winding problems. The influence of the tapered tube. Textile Recorder, v.49, no.579, June 15, 1931, p.33-34. tables. (Published at 121, Deansgate, Manchester, England)

Soniaman, R.A. The twisting of fine plied yarn. Machinery and lay-out, production, lubricating and cleaning schedules, and other pointers for a small twister room. Cotton, v.95, no.8, June 1931, p.744-745, 749 table. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

Travis, John T. Improved gassing or singeing of cotton yarn. *Melliland*, v.3, no.3, June 1931, p.211-214. illus. (Published at the Woolworth Bldg., New York, N.Y.)

"Equipment has recently been developed by the Cocker Machine & Foundry Company, of Gastonia, North Carolina, which insures a decided betterment and uniformity of product, and also effects a material lowering of operating costs."

Turner, H.A. The mercerisation of grey cotton. The use of wetting agents. *Textile Manufacturer*, v.57, no.677, May 15, 1931, p.182-183. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Weiss, Joseph J. "To the knowledge of bleaching processes." *Textile Weekly*, v.7, no.171, June 12, 1931, p.477. (Published at 49, Deansgate, Manchester, England)

Abstract of lecture to be given at the general meeting of the Verein Deutsche Chemiker (Union of German Chemists), which will shortly be held in Vienna.

"An attempt is made to describe, from uniform kinetic standpoints, all the fundamentally important processes taking place during bleaching with hypochlorite solutions."

Wilson, Robert. Twist--Prevalent misconceptions in the sewing-thread trade. *Textile World*, v.79, no.25, June 20, 1931, p.2676-2677, 2679. illus. (Published by Bragdon, Lord & Nagle Co., Tenth Ave. at 36th St., New York, N.Y.)

#### SEED AND SEED PRODUCTS

Andrews, J.T.R., and Folzenlogen, R.G. Laboratory bleaching technique for fatty oils. Control of moisture content of vital importance in obtaining results comparable to plant operation. *Oil and Fat Industries*, v.8, no.5, May 1931, p.183-185. tables. (Published by MacNair-Dorland Co., Inc., 136 Liberty St., New York, N.Y.)

Presented at meeting of American Oil Chemists Society, Chicago, Ill., Nov.14, 1930.

Describes results of tests on cottonseed oil.

Baumgarten, G.A. History of the first oil mills in Texas. *Cotton and Cotton Oil News*, v.32,

no.19, May 9, 1931, p.1, 21. (Published at Dallas, Texas)

Boyle, James E. Cottonseed oil exchanges. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p.167-172. tables. (Published at Philadelphia, Pa.)

Boyle, James E. Memphis merchants exchange clearing association. American Academy of Political and Social Science, Annals, v.155, pt.1, May 1931, p. 173-175. tables. (Published at Philadelphia, Pa.)

"The mills engaged in crushing cottonseed and the industries utilizing the meal and the seed represent investments of hundreds of millions of dollars. The size and nature of the business created a need for an exchange with future trading in cottonseed and cottonseed meal. Such an exchange has developed at Memphis, Tennessee."

Carpenter, E.L. Industrial success--a product of human relations and progressive co-operation. American Ginner and Cotton Oil Miller, v.8, no.1, June 1931, p.7-8. (Published at Little Rock, Ark.)

Delivered before the eighth annual convention of the Tri-States Oil Mill Superintendents' Association at Memphis, Tenn., May 21-23.

"The Tri-States Cottonseed Oil Mill Superintendents' Association deserves a great deal of credit for the splendid work it has been doing, particularly with regard to the establishment of the Cotton Oil Institute."

Carpenter, E.L. Progress. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.13-14. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Address delivered before the Interstate Oil Mill Superintendents Association at Atlanta, Ga., on June 3, 1931.

Urge cooperation in research in the cottonseed oil industry.

The convention of Interstate oil mill superintendents. What happened at the Atlanta convention. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.11-12. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Twenty-second annual convention of the Inter-

state Oil Mill Superintendents held at Atlanta, Ga., June 2-4, 1931.

Hubbard, F.S., and Fuchs, V.R. Definite and indefinite descriptions of the quality of American cotton linters. Cotton and Cotton Oil News, v.32, no.22, May 30, 1931, p.3. (Published at Dallas, Texas)

"The Department of Agriculture, by establishing the Standard Grades for American cotton linters, under the provisions of the Cotton Standards Act has provided manufacturers, dealers and consumers of this commodity with a definite means for measuring quality and determining value."

Moser, C.O. "Common interests of cotton growers and cottonseed crushers." Cotton and Cotton Oil News, v.32, no.23, June 6, 1931, p.1-3, 11. (Published at Dallas, Texas)

Address at annual meeting of National Cottonseed Products Association, New Orleans, La., May 19, 1931.

Also in Cotton Oil Press, v.15, no.2, June 1931, p.43-47.

Also in Valley Farmer and South Texas Grower, v.4, no.17, June 5, 1931, p.3, 25.

National cottonseed products association, inc.

Thirty-fifth annual convention...New Orleans, La., May 18, 19, 20, 1931. Official record of proceedings--printed for the association. Cotton Oil Press, v.15, no.2, June 1931, p.15-73. (Published at Memphis, Tenn.)

Includes president's annual report; statement by the general counsel; report of the treasurer; reports of the committees on organization and policies, rules, basic research, appeals, arbitration, future trading, and by-laws, and of the chemists committee; and addresses by C.O. Moser; Earl S. Haines; Harry D. Wilson, and G.S. Meloy.

Putland, A.W. Smalley foundation analytical results. Report on cooperative cottonseed meal analyses conducted by American Oil Chemists' Society, 1930-31. Oil and Fat Industries, v.8, no.5, May 1931, p.191, 193. tables. (Published by MacNair-Dorland Co., Inc., 136 Liberty St., New York, N.Y.)

Rice, Coke S. The oil mill industry in modern Germany. A current review of the vegetable oil industry of the republic, including comparison with prewar conditions. Pt.3. Oil and Fat Industries, v.8, no.5, May 1931, p.175-178. tables. chart. (Published by MacNair-Dorland Co., Inc., 136 Liberty St., New York, N.Y.)

Includes statistics of cottonseed products.

Sims, Redding. What can be done with a linter with the proper sharpening. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.25,27. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Discusses cost of delinting cotton seed.

Thornton, M.K., jr. Review of research at the A. & M. College of Texas and a study of the chemistry of cotton seed. Oil Miller and Cotton Ginner, v.38, no.4, June 1931, p.16-17. (Published at 161 Spring St., N.W., Atlanta, Ga.)

Address delivered before the Interstate Oil Mill Superintendents Association at Atlanta, Ga., June 3, 1931.

Ward, A.L. Merchandising cottonseed products.

Cotton and Cotton Oil News, v.32, no.23, June 6, 1931, p.13, 16. (Published at Dallas, Texas)

Address at National Oil Mill Superintendents' Convention, Dallas, Texas, May 27, 1931.

#### LEGISLATION, REGULATION, AND ADJUDICATION

Cotton gin bill vetoed. Cotton and Cotton Oil News, v.32, no.23, June 6, 1931, p.10. (Published at Dallas, Texas)

Letter from J.C.Thompson, Sec'y., Texas Cotton Ginner's Assn.

Inspector's bill passes legislature and effort being made to get governor's veto. Cotton Ginner's Journal, v.2, no.9, June 1931, p.24,26. (Published at Dallas, Texas)

Texas Legislature--House bill no.73. "This is the measure that requires all cotton to be weighed in seed before it is ginned."

Wesson, David. Margarine and butter: the unvarnished facts. A statement presented before the House of Representatives Committee on agriculture Hearing on

oleomargarine legislation. Oil and Fat Industries, v.8, no.5, May 1931, p.179-180. (Published by MacNair-Dorland Co., Inc., 136 Liberty St., New York, N.Y.)

Discusses the effect of oleomargarine legislation on the cottonseed oil industry.

MISCELLANEOUS--GENERAL

Abbott, A. Technical education for the textile industry. Textile Manufacturer, v.57, no.677, May 1931, p.188, 189. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Constructive thought offered at convention of North Carolina mill men. Textile World, v.79, no.26, June 27, 1931, p.2772-2773. (Published by Bragdon, Lord and Nagle Co., Inc. Tenth Ave. at 36th St., New York, N.Y.)

Annual convention of the Cotton Manufacturers Association of North Carolina, Greensboro, N.C., June 19-20, 1931.

Includes extracts from the following addresses: "Balancing production to correspond with actual demand for cotton goods and the problems of state and local taxation," by W.D. Briggs; "Executive management," by Paul V. Bunn; "Development of Japan's cotton manufacturing industry," by Charles K. Moser.

"Resolutions were passed strongly endorsing the movement to use cotton bagging for the baling of cotton and cotton goods and for the putting up of starch, and protesting the action of railroads in petitioning the Interstate Commerce Commission for permission to increase railroad freight rates 15% horizontally."

Also in Southern Textile Bulletin, v.40, no.17, June 25, 1931, p.5-7, 10-13+

Cotton congress asks definite Farm board policy. Commerce and Finance, v.20, no.26, July 1, 1931, p.985. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Mentions resolutions regarding the Farm Board, publicity for cotton goods, and moisture tests of American cotton, adopted by the International Cotton Congress, Paris, June 22-25, 1931.

Emley, Warren E. United States Institute for textile research. Simplification of plans for re-

search is being effected by our second largest industry. Commercial Standards Monthly, v.7, no.12, June 1931, p.376. (Published by Bureau of Standards, U.S. Department of Commerce, Washington, D.C.)

Garnett, George. Textile institute and its work. English manufacturers must spend more money on designs--says Mr. George Garnett. Textile Weekly, v.7, no.168, May 22, 1931, p.390. (Published at 49, Deansgate, Manchester, England)

Review of "the contribution the Institute could make to the textile industries" by the new president of the Textile Institute, Mr. George Garnett.

Lemmon, Madie Seay. The story of cotton. Cotton and Cotton Oil News, v.32, no.19, May 9, 1931, p.9. (Published at Dallas, Texas)

"In the present issue, the first article starts with the earliest knowledge of the growth of the cotton plant. Other articles will continue the history of the plant throughout the ages of civilization and up to the present time."

Marketing research discussed. Symposium at meeting of directors of U.S. Institute of textile research--what is being done and can be done in distribution research. American Wool and Cotton Reporter, v. 45, no.26, June 25, 1931, p.15-16, 27. (Published by Frank P. Bennett and Co., 530 Atlantic Ave., Boston, Mass.)

Includes extracts from the following addresses: Technical and market research, by Robert F. Elder; Distribution research in textile industry, by A.W. Zelomek.

Also in Bulletin of the United States Institute for Textile Research, v.1, no.5, June 1931, p.4-10.

Also in Textile American, v.56, no.1, July 1931, p.7-8.

Munroe, Sydney P. Increasing opportunity for trained minds in cotton textile industry. Textile World, v.79, no.22, May 30, 1931, p.2382-2383. (Published by Bragdon, Lord and Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Address delivered May 29, 1931, at Bradford Durfee Textile School, Fall River, Mass.

Also in Southern Textile Bulletin, v.40, no.14, June 4, 1931, p.5-6, 27.

Also in *Fibre and Fabric*, v.84, no.2418, June 6, 1931, p.6-9.

Also in *American Wool and Cotton Reporter*, v.45, no.23, June 4, 1931, p.17-18, 33-39.

Southern textile association elects T.W.Mullen president for new year. *Textile World*, v.79, no.25, June 25, 1931, p.2666-2671. (Published by Bragdon, Lord & Nagle Co., Inc., Tenth Ave. at 36th St., New York, N.Y.)

Proceedings of annual meeting of Southern Textile Association, Isle of Palms, S.C., June 12-13, 1931.

Includes addresses on cotton industry's situation by B.B.Gossett; recommendations for a re-organization of the association by J.O.Corn; modern times demand modern men, by Frank K. Petrea; commercial standards in the textile industry, by L.R.Gilbert; taking down "no admittance" sign, by M.R.Vick; background of southern textiles, by John A. McFalls; and effective cooperation, by L.E. Wooten.

Also in *American Wool and Cotton Reporter*, v. 45, no.25, June 18, 1931, p.11-29.

Also in *Textile American*, v.56, no.1, July 1931, p.19-20.

[Textile institute] Coming-of-age celebrations. Manchester, 22nd, 23rd, and 24th of April 1931. *Textile Institute, Journal*, v.22, no.5, May 1931, p.P46-P100. (Published at 16, St.Mary's Parsonage, Manchester, England)

Thornton, M.K., jr. Cotton as a human, political, social and economic factor. *Oil Miller and Cotton Ginner*, v.38, no.4, June 1931, p.15. (Published at 161, Spring St., N.W., Atlanta, Ga.)

Radio address delivered June 1, 1931.

Brief history of world cotton production.

"The voice of cotton." *Southern Textile Bulletin*, v.40, no.14, June 4, 1931, p.12-13. illus. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Description of the cotton pageant held at Concord, N.C., May 28 and 29, 1931.

## C O T T O N R E P O R T S

ISSUED CURRENTLY BY  
UNITED STATES GOVERNMENT DEPARTMENTS

U.S. Department of Agriculture. Bureau of Agricultural Economics.

Crop Reports (Summarized in Crops and Markets, which is issued monthly):  
 Aug. 8, 1931, reports as of August 1 on condition and probable total  
 ginnings of cotton.  
 Sept. 8, 1931, reports as of September 1 on condition and probable  
 total ginnings of cotton and an estimate of the acreage  
 of cotton abandoned since July 1.  
 Oct. 8, 1931, report as of October 1 on probable total ginnings of  
 cotton.  
 Nov. 9, 1931, report as of November 1 on probable total ginnings of  
 cotton.  
 Dec. 8, 1931, report as of December 1 (final) on estimated probable  
 total ginnings of cotton, and estimated acreage of cotton  
 abandoned since July 1.

Grade and Staple Reports:

Grade, Staple Length and Tenderability of Cotton Ginned in the United  
 States: to be issued Oct. 30, Nov. 27, 1931, Jan. 8,  
 Feb. 12, Apr. 15, 1932.

Market News Reports:

American Cotton Linters Price Report: issued Thursdays.  
 Daily Official Report of the Designated Spot Cotton Markets.  
 Staple Cotton Premiums: issued Saturdays.  
 Weekly Cotton Review: issued Saturdays.  
 Weekly Cotton Market Bulletin: issued Fridays, in cooperation with the  
 California Dept. of Agriculture.

World Cotton Prospects: issued monthly.

U.S. Department of Commerce. Bureau of the Census.

Activity in the Cotton Spinning Industry: issued monthly, about the 20th.

Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles:  
 issued monthly, about the 14th.

Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manu-  
 factured, Shipped Out, on Hand and Exported: issued  
 monthly, about the 12th.

Report on Cotton Ginning: reports on 1931 crop to be issued Aug. 8, 24, Sept. 8,  
 23, Oct. 8, 26, Nov. 9, 21, Dec. 8, 21, 1931, Jan. 23 and Mar. 21,  
 1932.